

At page 3, line 30, replace "hjak2," with --hjak2--.

entered At page 3, line 30, delete "(SEQ ID No 2),".

At page 3, line 31, replace "HJAK2" with -- HJAK2 (SEQ ID NO:2)--.

At page 3, line 33, replace "86:1603-7)" with --86:1603-7),--.

At page 4, line 1, replace "hjak2, SEQ ID No1" with --hjak2 (SEQ ID NO:1)--.

At page 5, line 2, replace "Figure 1 displays" with --Figures 1A, 1B, 1C, 1D, 1E, 1F, 1G,

a1 and 1H display--.

a2 At page 5, line 2, replace "nucleic acid and amino acid" with --nucleic acid (SEQ ID NO:1) and amino acid (SEQ ID NO:2)--.

At page 5, line 3, replace "this and the" with --these and in the--.

At page 5, line 4, replace "figure" with --figures--.

At page 5, line 5, replace "Inc" with --Inc--.

At page 5, line 6, replace "Figure 2 shows" with --Figures 2A, 2B, 2C, 2D, and 2E show--.

a3 At page 5, lines 6 through 7, replace "MUSPTK1 GI and HJAK2" with --HJAK2 (SEQ ID NO:2) and MUSPTK1 (GI 409584; SEQ ID NO:3)--.

At page 5, line 12, replace "RNA" with --RNA,--.

At page 5, line 12, replace "sequence" with --sequence,--.

a4 At page 8, lines 10 and 11, replace "a "fragment ", "portion ", or "segment" of" with --a "fragment", a "portion", or a "segment" of--.

At page 8, line 25, replace "etc" with --etc--.

At page 8, line 26, replace "etc) or" with --etc.),--.

At page 8, line 26, replace "simians, etc)" with --simians, etc.)--.

At page 9, line 22, replace "an" with --a--.

At page 9, line 28, replace "86:1603-7)" with --86:1603-7),--.

a5 At page 10, line 2, replace "including but not limited to" with --including, but not limited to,--.

At page 10, line 5, replace "produced and some" with --produced. Some--.

At page 10, line 20, delete "(REF)".

At page 10, line 28, replace "NY" with --NY, Chapters 4, 8, 16, and 17--.

At page 10, line 30, replace "City)." with --New York NY, Chapters 9, 13, and 16).--.

At page 11, line 1, replace "PCR" with --PCR,--.

At page 11, line 6, replace "antisense" with --antisense orientation--.

At page 11, line 13, replace "Gobinda et al" with --Sarkar--.

At page 11, line 20, replace "Gobinda et al" with --Sarkar--.

At page 11, line 35, replace "Gobinda et al" with --Sarkar--.

At page 12, line 8, replace "PromoterFinder™" with --PROMOTERFINDER--.

At page 12, line 16, replace "XL-PCR™" with --XL-PCR--.

At page 12, line 26, replace "In step 2," with --In the second step,--.

At page 12, lines 27 and 28, replace "Steps 3 and 4," with --The third and fourth steps,--.

At page 12, line 29, replace "Step 5," with --The fifth step,--.

At page 12, line 30, replace "In step 6," with --The sixth step,--.

At page 13, line 16, replace "devise" with --device--.

At page 13, line 18, replace "Genotyper™" with --GENOTYPER--.

At page 13, line 18, replace "Sequence Navigator™" with --SEQUENCE
NAVIGATOR--.

At page 13, line 36, replace "NO 1" with --NO:1--.

At page 14, line 9, replace "T7, T3 or SP6 and labelled" with --T7, T3, or SP6, and
labeled--.

At page 16, line 29, after "using" insert --an--.

At page 16, line 30, replace "Peptide Synthesizer" with --peptide synthesizer--.

At page 17, line 32, replace "Library" with --The cDNA library--.

At page 17, lines 32 and 33, delete "obtained from Mayo Clinic".

At page 18, line 5, replace "Uni ZAP™" with --UNIZAP--.

At page 18, line 7, replace "pBluescript™" with --PBLUESCRIPT--.

At page 18, line 7, replace "library" with --library,--.

At page 18, line 8, replace ", and" with --and--.

At page 18, line 10, replace "XL1-Blue™" with --XL1-BLUE--.

At page 18, line 10, replace "pBluescript" with --PBLUESCRIPT--.

At page 18, line 20, replace "Plasmid Purification System" with --plasmid purification system--.

At page 18, line 25, replace "Catalyst" with --CATALYST--.

At page 18, line 26, replace "Hamilton Micro Lab" with --MICROLAB--.

At page 18, line 27, replace "Thermal Cyclers" with --thermal cyclers--.

At page 18, line 28, replace "Sequencing Systems" with --sequencing systems--.

At page 18, line 35, replace "Sequenase®" with --SEQUENASE--.

At page 18, line 35, replace "Corp)" with --Corp.,--.

At page 19, line 5, delete "Hamilton".

At page 19, line 6, replace "Micro Lab" with --MICROLAB--.

At page 19, line 6, replace "Thermal Cycler" with --thermal cycler--.

At page 19, line 7, replace "Catalyst" with --CATALYST--.

At page 19, line 19, replace "INHERIT™ 670 Sequence Analysis System" with --INHERIT 670 sequence analysis system--.

At page 19, line 31, replace "INHERIT™" with --INHERIT--.

At page 20, line 24, replace "Fig 1" with --Figures 1A, 1B, 1C, 1D, 1E, 1F, 1G, and 1H--.

At page 20, line 24, replace "Fig 2" with --Figures 2A, 2B, 2C, 2D, and 2E--.

At page 20, line 37, replace "Oligo" with --OLIGO--.

At page 21, lines 5 and 6, replace "XLR = GGGCGGAAGTGCTCTCGGCGGAAG" with --XLR (SEQ ID NO:4)--.

At page 21, line 6, replace "XLF = AGTGTGCTACAGTGCTGGTCGTCG" with --XLF (SEQ ID NO:5)--.

At page 21, line 13, replace "Thermal Cycler" with --thermal cycler--.

At page 21, line 35, replace "QIAQuick™" with --QIAQUICK--.

At page 22, line 34, replace "229-36" with --212:229-236--.

At page 23, line 17, replace "Oligo 4.0" with --OLIGO 4.0 software--.

At page 23, line 20, replace "Inherit Analysis" with --INHERIT analysis--.